Claims

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- 1. a sustained-release composition containing a biologically active substance or salt thereof, a hydroxynaphthoic acid or salt thereof, and a biodegradable polymer or salt thereof.
 - 2. a sustained-release composition according to claim 1 wherein the biologically active substance is a biologically active peptide.
- 3. a sustained-release composition according to claim 2 wherein the biologically active peptide is an LH-RH derivative.
- 4. a sustained-release composition according to claim 1 wherein the hydroxynaphthoic acid is 3-hydroxy-2-naphthoic acid.
- 5. a sustained-release composition according to claim 1 wherein the biodegradable polymer is an $\alpha\textsubscript{-}$ hydroxycarboxylic acid polymer.
- 6. a sustained-release composition according to claim 5 above wherein the α -hydroxycarboxylic acid polymer is a lactic acid-glycolic acid polymer.
 - 7. a sustained-release composition according to claim 6 wherein the content ratio of lactic acid and glycolic acid is 100/0 to 40/60 mol%.
 - 8. a sustained-release composition according to claim 7 wherein the content ratio of lactic acid and glycolic acid is 100/0 mol%.
 - 9. a sustained-release composition according to claim 6 wherein the weight-average molecular weight of the polymer is about 3,000 to about 100,000.
 - 10. a sustained-release composition according to claim 9 wherein the weight-average molecular weight of the polymer isw about 20,000 to about 50,000.
- 11. a sustained-release composition according to claim 3, wherein the LH-RH derivative is a peptide repesented by the formula:

5-oxo-Pro-His-Trp-Ser-Tyr-Y-Leu-Arg-Pro-Z wherein Y represents DLeu, DAla, DTrp, DSer(tBu), D2Nal or DHis(ImBzl); Z represents NH-C₂H₅ or Gly-NH₂,

- 12. a sustained-release composition according to claim 6, wherein the terminal carboxyl group content of the polymer is 50-90 micromol per unit mass (gram) of the polymer.
 - 13. a sustained-release composition according to claim 3, wherein the molar ratio of the hydroxynaphthoic acid or salt thereof and the LH-RH derivative or salt thereof is from 3 to 4 to 4 to 3.

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- 14. a sustained-release composition according to claim 13, wherein the LH-RH derivative or salt thereof is contained at 14% (w/w) to 24% (w/w).
- 15. a sustained-release composition according to claim 1, wherein the bioactive substance or salt thereof is very slightly soluble in water or soluble in water.
- 16. a sustained-release composition according to claim 1, which is intended for injection.
- 17. a method of producing the sustained-release composition according to claim 1, comprising removing the solvent from a mixture of a bioactive substance or salt thereof, a biodegradable polymer or salt thereof, and hydroxynaphthoic acid or a salt thereof.
- 18. a method of producing the sustained-release composition according to claim 17, comprising mixing and dispersing a bioactive substance or salt thereof in an organic solvent solution containing a biodegradable polymer or salt thereof and hydroxynaphthoic acid or a salt thereof, and subsequently removing the organic solvent.
- 19. a method of producing the sustained-release composition according to claim 18, wherein the bioactive substance or salt thereof is in the form of an aqueous solution.
 - 20. a production method according to claim 17,

wherein the salt of the bioactive substance is a salt with a free base or acid.

- 21. a pharmaceutical containing the sustained-release composition according to claim 1.
- 22. an agent for preventing or treating of prostatic cancer, prostatic hypertrophy, endometriosis, hysteromyoma, metrofibroma, precocious puberty, dysmenorrhea, or breast cancer, or a contraceptive, containing the sustained-release composition according to claim 3.
 - 23. a sustained-release composition containing the hydroxynaphthoate of a bioactive substance and a biodegradable polymer or salt thereof.

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- 24. a method of suppressing bioactive substance initial burst from a sustained-release composition, comprising using hydroxynaphthoic acid or a salt thereof.
- 25. a method of increasing the efficiency of bioactive substance inclusion in a sustained-release composition, comprising using hydroxynaphthoic acid or a salt thereof.
 - 26. a hydroxynaphthoate of a bioactive peptide.
- 27. a hydroxynaphthoate of a bioactive peptide according to claim 26, which is soluble in water or very slightly soluble in water.
- 28. a sustained-release composition containing the 25 hydroxynaphthoate of a bioactive peptide.